



Marine Corps Base
EXPLOSIVE SAFETY



OFFICE
A&E TRAINING

INTRODUCTION

A&E TRAINING REQUIREMENTS

OFF BASE TRANSPORTATION REQUESTS

A&E SCREENINGS/(E-QUAL)

ESI PROCEUDURES & TRENDS

FORECASTING

UXO

ASP PROCEDURES



SAFETY MESSAGE

- Silence Cell Phones!!!
- No Sidebar Conversations
 - Speak up to the class, someone else may benefit
 - Respect the speaker
- Questions
 - Ask immediately, only dumb question is one not asked
- Breaks
 - Head calls (Other classes being conducted)
 - Timelines (10 min breaks means 10 mins)



INTRODUCTION

Welcome to the 2012 Ammunition & Explosive (A&E) Training. Today we will cover all aspects of you're A&E requirements. The intent on today's training is to provide required annual A&E Training

This A&E training is for your benefit!

You get what you put into it!



EXPLOSIVE SAFETY OFFICE

- Mr. Harris
 - Explosive Safety Section Head
- CWO3 Hostuttler
 - Explosive Safety Officer
- MSgt Freeman
 - Explosive Safety SNCOIC
- SSgt Martinez/SSgt Sauborn
 - MCI-East Ammo Chief
- Sgt Mizrahi
 - MCB Ammo Chief
- Explosive Safety Office



II MARINE EXPEDITIONARY FORCE

- Maj Hobin (Fwd) Ammo Officer
- MGySgt Shell Ammo Chief
450-7566
- Cpl Rivera Ammo Clerk 451-
8898
- Cpl Makowski Ammo Clerk
- SharePoint is currently under
construction



II MARINE DIVISION

- Capt Goodwin Ammo Officer
- MSgt Babineaux Ammo Chief
- SSgt Rodriguez/SSgt Lujano
- SharePoint



II MARINE LOGISTICS GROUP

- WO Courts Ammo Officer
- SSgt Anderson Ammo Chief

- SharePoint



II MEF HEADQUARTERS GROUP



- SSgt Courts Ammo Chief
- Cpl Colmenares Ammo NCO
- SharePoint



II MARINE AIRCRAFT WING

➤ SSgt Tunnell Ammo Chief



II MARINE CORPS FORCES SPECIAL OPERATIONS COMMAND



- Maj Hammers Ammo Officer
- GSgt Corzo Ammo Chief
- SSgt Carroll



EXPLOSIVE SAFETY PROGRAM GOALS

- The Base Explosives Safety Office implements policies, provides technical oversight, resource balancing and technical guidance for Marine Corps Base Camp Lejeune and Marine Corps Installations East .
- The Explosives Safety Office supports the operating forces, tenant commands and activities in the functional areas of: Explosives Safety, Explosives Safety Quantity Distance Site Approval Process and other Explosives Safety concerns.
- The Explosives Safety Office's goals are to provide education, technical guidance and understanding of the Hazards associated with handling A&E.









AMMUNITION & EXPLOSIVES (a&e)

- Hazard Class/Divisions
- Compatibility Groups
- Security Risk Category
- Fire Symbols



HAZARD CLASS/DIVISION

- There are nine hazard classes based on chemical and physical characteristics of the material and its reaction under various conditions.
- Hazard Class 1- generally contains ammunition, explosives substances, and explosives articles.



HAZARD CLASS/DIVISION

- Hazard Class 1 is composed of 6 divisions:
- Division 1 – Mass Detonation
- Division 2 – Fragmentation
- Division 3 – Mass Fire



HAZARD CLASS/DIVISION

- Division 4 – Moderate Fire
- Division 5 – Very Insensitive
- Division 6 – Extremely Insensitive
- Example – 1.1 means A&E that produces a mass detonation hazard.



COMPATABILITY GROUPS

- A&E is further categorized in to 13 compatibility groups.
- A, B, C, D, E, F, G, H, J, K, L, N, S
- Compatibility is based on the type/degree of risk the A&E items present in storage and transportation.



COMPATABILITY GROUPS DESCRIPTIONS



- A ➤ Bulk initiating explosives that have the necessary sensitivity to heat, friction or percussion (RDX/PETN)
- B ➤ Detonators and similar initiating devices not containing two or more independent safety features (Blasting Caps)
- C ➤ Bulk propellants, propelling charges & devices containing propellant with or without their own means of ignition.
- D ➤ Black powder, HE & ammo containing HE without its own means of initiation & w/o propelling charge
- E (Demo)
 - HE & ammo containing HE without its own means of initiation & w/o propelling charge HE (Arty/Rockets)



COMPATABILITY GROUP DESCRIPTIONS



- F
 - Ammo Containing HE with its own means of initiation & with Propelling Charge (Frag Grenades)
- G
 - Fireworks, illuminating, incendiary & smoke (Pyro & Small Arms)
- H
 - Ammo containing both explosives & WP
- S
 - Ammo presenting no significant hazard (Small Arms)



TRANSPORTATION & STORAGE

- Compatibility groups determine what A&E can be stored or transported together without increasing the probability of accident or magnitude of an accident.
- SW020-AF-HBK-010- Transportation (x means may not)
 - Transportation Compatibility: Table 4-2
- NAVSEA SWO20-AC-SAF-010 (x means may)
 - Storage Compatibility: Table 2-7

Numbers and symbols shown in this table are as follows:

A blank in the table indicates that no restrictions apply.

For motor vehicles the letter “X” in the table indicates that explosives of different compatibility groups may not be carried on the same motor vehicle. For rail cars the letter “X” indicates that explosives of different compatibility groups may not be carried on the same railcar unless packed in separate freight containers (e.g. two or more freight containers mounted upon the same rail car).

1 - means explosives from compatibility group L may only be carried on the same motor vehicle or rail car with an identical explosive.

2 - means any combination of explosives from compatibility group C, D, or E is assigned to compatibility group E.

3 - means any combination of explosives from compatibility group C, D, or E with those in compatibility group N is assigned to compatibility group D.

4 - means detonators and detonating primers, Division 1.4S (Class C explosives), may not be loaded in the same rail car with Division 1.1 and 1.2 (Class A explosive) materials as described in [49 CFR 174.81 \(g\)\(3\)\(iv\)](#). Also, see [49 CFR 177.835 \(g\)](#) for restrictions on detonator assemblies, boosters with detonators, and detonators when transported on public highway.

5 - means Division 1.4S fireworks may not be loaded in the same motor vehicle or rail car with Division 1.1 or 1.2 (Class A explosive) materials.

6 - means explosive articles in compatibility group G, other than fireworks and those requiring special handling or stowage, may be loaded, transported, and stored with other explosive articles of compatibility groups C, D and E, provided that no explosive substances (such as those not contained in articles) are carried in the same vehicle or railcar.



Security Risk Groups

- Decision Logic Table - OPNAVINST 5530.13_
Appendix A is utilized to determine the risk associated with a new ammo asset.
- Security risk category codes to ammunition and explosives not already categorized. Rate the ammunition or explosive item in each of the four risk factors listed here, obtaining a number value for each factor. Then add these numbers to determine the appropriate security risk category using the rankings provided.



DETERMINING SRC's

- Decision Logic Table
 - 4 separate voting categories:
 - Utility
 - Casualty/Damage Effect
 - Adaptability
 - Portability



Decision Logic Table Voting Levels

Total of Risk Factor Numbers	Physical Security Risk Category Code	Evaluation
4-5	II	High Sensitivity
6-8	III	Moderate Sensitivity
9-12	IV	Low Sensitivity
13-16	--	Non-sensitive



CAT I

- Missiles and rockets in a ready-to-fire configuration, or jointly stored or transported with the launcher tube and/or grip stock and the explosive round.
- Example: Redeye, Stinger, Dragon, Javelin, Light Antitank Weapon (LAW) (66mm), (SMAW) rocket (83mm), M136 (AT4) anti-armor launcher and cartridge (84mm).



CAT II

- Hand or rifle grenades — high explosive and white phosphorus.
- Mines, antitank or antipersonnel (unpacked weight of 50 pounds or less each).
- Explosives used in demolition operations, C-4, military dynamite, and TNT with an unpacked weight of 100 pounds or less.
- Warheads for sensitive missiles and rockets weighing less than 50 pounds each.
- Missiles and rockets that are crew-served or require platform-mounted launchers and other equipment to function. Included are rounds of the tube-launched optically tracked weapon (TOW) and Hydra-70.



Category III

- Ammunition, .50 caliber and larger, with explosive filled projectile (unpacked weight of 100 pounds or less each)
- Incendiary grenades and fuses to high explosive grenades.
- Blasting caps.
- Supplementary charges.
- Bulk explosives.
- Detonating cord.
- Warheads for sensitive missiles and rockets weighing more than 50 pounds but less than 100 pounds each.



CAT IV

- Ammunition with non-explosive projectiles (unpacked weight of 100 pounds or less each).
- Fuses, except for high explosives as addressed above.
- Illumination, smoke, and CS grenades.
- Incendiary destroyers.
- Riot control agents, 100 pound package or less
- Ammunition not in another Risk Category above.
- Explosive compounds of sensitive missiles and rockets (except warheads).
- Warheads for precision guided munitions (PGM) weighing more than 50 pounds (unpacked weight)¹



FIRE HAZARD SYMBOLS

- The following slides will cover the Fire Hazard Symbols associated with A&E.
- The most important thing when dealing with a fire associated with A&E is personnel safety!
 - Sound the Alarm & call 911
 - If the fire has not reached the A&E, attempt to fight the fire & evacuate all non-essential personnel
 - If the fire has reached the A&E, evacuate the area of all personnel and stand by to direct emergency response personnel



HAZARD IDENTIFICATION FOR FIRE FIGHTING



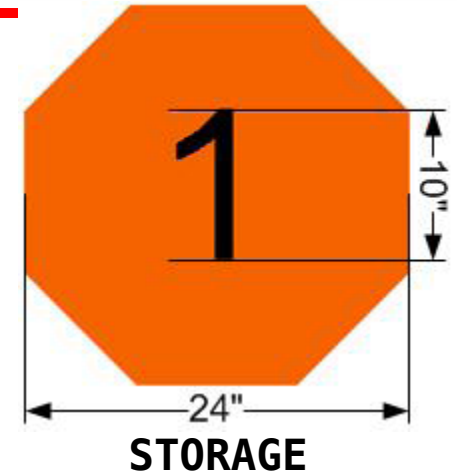
FIRE SYMBOL #1 (The Most Dangerous)

Mass Detonation Hazard

These explosives can detonate when involved in a fire and should not be fought unless a rescue attempt is being made.

Withdrawal distance is 4,000 ft

Examples - Hand Grenades,



TRANSPORTATION



HAZARD IDENTIFICATION FOR FIRE FIGHTING



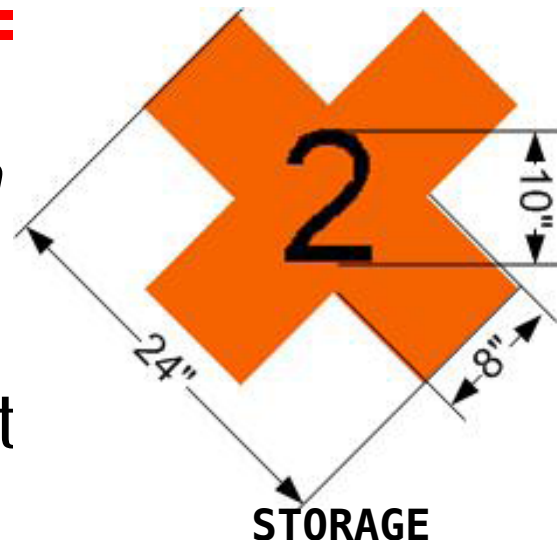
FIRE SYMBOL #2

Explosion With Fragmentation Hazard

Attempt to extinguish the fire if it is in an early stage. Prevent spreading of the fire if possible, detonation of items could occur.

Withdrawal distance is 2,500 ft

Examples - 20mm HE, 40mm HE, and M115 simulators



TRANSPORTATION



HAZARD IDENTIFICATION FOR FIRE FIGHTING

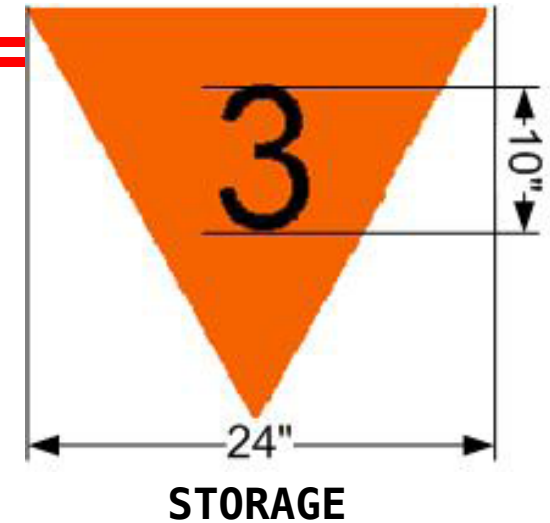


FIRE SYMBOL #3 *Mass Fire Hazard*

These fires may be fought if explosives are not directly involved.

Withdrawal distance is 600
ft

Examples - Flares,
grenades, and white star
incendiary bombs



TRANSPORTATION



HAZARD IDENTIFICATION FOR FIRE FIGHTING

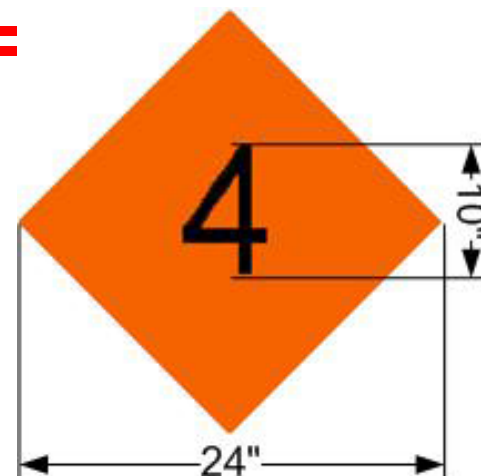


FIRE SYMBOL #4 (Least Hazardous) *Moderate Fire Hazard*

First Responder: (Security
Forces) will fight these fires

Withdrawal distance is 300 ft

Examples - 7.62mm, 5.56mm, .
38cal, and 9mm ammunition.
Also, 40mm TP and M25A1



STORAGE



TRANSPORTATION



Fire Prevention

- **Apply No Water!** If water is added, it could intensify the flames.
- This indicates the presence of toxic smokes (Smoke Grenades)
- NAVSEA SWO20-AC-SAF-010
 - Storage Compatibility: Table 2-7





Hazard to Electromagnetic Radiation to Ordnance

➤ Classifications

- HERO Safe – No hazard exist
- HERO Susceptible – Fully assembled undergoing normal handling & loading
- HERO Unsafe – devices with exposed wires arranged in the most optimum receiving orientation
- HERO Unreliable – undetermined status



HERO Cont.



- 15' - closed / 25' open magazine
- HERO Warning Symbols and Labels alert the radio and portable emitter systems operators of the potential HERO hazards.
- Low-power transceiver devices such as cell phones, active pagers, Computer Tablets, and some walkie-talkies automatically transmit RF energy without operator





A&E RESPONSIBILITIES



A&E RESPONSIBILITIES

The following slides will discuss the key billets and responsibilities within the A&E program as outlined within the orders and directives for A&E.



RESPONSIBILITIES

Column A

1. ESR
2. AA&E Officer/SNCO
 - a) Monthly A&E Inventory
3. Audit & Verification Officer/SNCO
4. Ammo Handler/Driver
5. Access Control Officer
6. Access Control Custodian

Column B

1. Ordnance Officer
2. Area Security Officer
3. Armorer / Custodian



EXPLOSIVE SAFETY REPRESENTATIVE (ESR)



- Per the MCO P8020.10B, you are hereby assigned in writing as the unit explosives safety representative and you will conduct all applicable aspects of the unit explosives safety program and serve as a liaison between the unit and the installation Explosives Safety Office (ESO). You will require a level of training to competently assist the installation ESO in implementing the installations explosive safety program. If you have the training and experience outlined above you will not require additional training. If you do not possess the experience and training outlined in the above paragraph you will be required to complete the below courses.
- a. AMMO-18, Basics of Naval Explosives Hazard Control.
- b. AMMO-45, Introduction to Ammunition
- c. AMMO-76, Identification of Ammunition.



ESR (CONT)

- You are to observe the following duties and familiarize yourself with them:
- Conduct explosives safety training to ensure that all unit personnel involved in the storage, transport, handling, maintenance, receipt/issue, and use of munitions are trained prior to their assignment to duties involving munitions.
- Ensure that standard operating procedures (SOP) governing explosives operations performed within your unit are developed and in accordance with the references.
- Perform required unit inspections, as necessary, utilizing inspection SOPs, and checklists. Maintain records of completed inspections on file for a period not less than two years from the date of the inspection
- Serve as the unit representative to the installation's Explosives Safety Self-Assessment (ESSA) Program to ensure that inspections results are properly analyzed, unfavorable causes and trends are identified, corrective actions are accomplished, and controls are implemented to preclude recurrence.



A&E Matrix



1	2	3	4	5	6	7	8
1	P						
2		P	C	C	C	C	
3		C	P	C	C	C	
4		C	C	P	C	C	C
5		C	C	C	P	C	
6		C	C	C	C	P	C
7				C	C	C	P
8				C		C	C

AVO

AA&E Officer

Ordnance Officer

Area Security Officer

Range Safety Officer

Armorer/Custodian

Ammo Tech

Ammo Handler/Driver

P = Primary Duty C = Collateral Duty

Blank = Can not be assigned the duty



ARMS, AMMUNITION & EXPLOSIVES OFFICER

NOTE: The AA&E Officer is overall responsible for the AA&E program; all areas should be reviewed and constantly monitored to ensure compliance.

- Per the references, you are hereby appointed as the Responsible Officer/Arms, Ammunition, and Explosives (AA&E) Officer.
- You will conduct a complete review of the account assigned **within 30 days** of this appointment.
- You will complete a wall-to-wall inventory **within 30 days** of this appointment.
- You will report any and all results immediately during the review/inventory to the appointing officer.



AA&EO Cont

- You will maintain close liaison with the area security officer.
- You will assist the area security officer, Provost Marshall Office (PMO), Naval Criminal Investigation Service (NCIS) agents, auditors, and other assigned personnel in investigating AA&E losses.
- You will monitor performance and the reporting of all AA&E inventories, as well as related MLSR reports.
- You will ensure RSO's comply with those duties/procedures outlined in paragraph 7002.7 of reference (a).
- You will remain the Responsible Officer/AA&E Officer until properly relieved and after a complete turnover.



30 DAY WALL TO WALL

- From: Arms, Ammunition, and Explosives (AA&E) Officer
- To: Commanding Officer, UNIT
- Subj: 30 DAY WALL TO WALL INVENTORY
- Ref: (a) MCO P4400.150E
- Encl: (1) Ammunition Count
- 1. Per the reference, a complete inventory was conducted on XX
XXX 20XX by the AA&E Officer.
- 2. The results of the inventory showed the following:



WALL TO WALL RESULTS

- All ammunition for the Battalion is on hand or accounted for.
- - A059 5.56mm Ball XXX
 - A363 9mm Ball XXX
 - G950 Red SMK Gren XXX
- b. Personal ammunition is located in armory but not listed on any personal weapon/ammunition records.
- 3. All listed discrepancies will be followed-up to ensure their speedy corrections.
- 4. The point of contact concerning this inventory is AA&E OFFICER at DSN XXX-XXXX.



AUDIT & VERIFICATION OFFICER (AVO)



- You are hereby appointed as the A&E Audit and Verification Officer for UNIT. You are directed to familiarize yourself with the references in the execution of your duties.
- You will certify that expenditure reports are completed after every exercise and verify that any unused ammunition has been returned to the Ammunition Supply Point (ASP) in accordance with reference (a).
- In accordance with reference (a), on a quarterly basis, you will audit and validate the unit custody and documentation for issue, receipt, expenditure, and turn-in of unexpended assets.
- When the command is holding security and/or training assets you must validate that ammunition NSN/Lot number records (NAVMC 10774's) are properly maintained.



AUDIT & VERIFICATION OFFICER CONT



- This appointment may be revoked at any time. Revocation will be in writing, addressed to you, and will show the effective date.
- This letter of appointment will be maintained in the permanent file of this command to show the successive holders (revocation) of this position and will be retained for a period of three years.



QTRLY AUDIT RESULTS

- Per the reference (b), a complete audit of the Unit's custody and documentation for issue, receipt, expenditure, and turn-in of unexpended assets was conducted on XX/MON/YR by the A&E Audit and Verification Officer.
- The results of the inventory showed the following:
 - a. XXXXXXXXXXXXXXXXXXXXXXXXXXXX.
 - b. XXXXXXXXXXXXXXXXXXXXXXXXXXXX.
- All listed discrepancies will be followed-up to ensure their speedy corrections.
- The point of contact concerning this inventory is
- Rank LastName, at XXX-XXXX.
- These results MUST be documented and reported to the Commanding Officer and kept on file for 3 years.



REVOCATION LTR

- Your appointment as the A&E Audit and Verification Officer for UNIT has been revoked as of 13 October 2009.
-
- This letter of revocation will be maintained in the permanent file of this command to show the successive holders (revocation) of this position and will be retained for a period of three years.
-
- Any questions regarding ammunition can be directed to the Battalion Ammunition Chief at XXX-XXXX or the AA&E Officer at XXX-XXXX.



MONTHLY A&E INVENTORY

- An officer/SNCO must be designated in writing by the Commanding Officer and is responsible for the following:
 - Document the ammunition inventory
 - 10774 Cards
 - MSI Results
 - Monthly Inventory Letter
 - Causative Research
 - Investigation required?
 - Voucher required?



VOUCHERS

- Must have causative research associated with the voucher.
- Must be signed by Commanding Officer authorizing any adjustments to accountable balance.
- Maintain any causative research results and statements on file.
- Maintained on file for two years plus current FY



Transaction Codes/Document Identifier Codes

- Transaction codes are utilized on all of our documentation. (10774/1348-1A/etc)
- A common trend throughout the ESI's, is incorrect usage of the transaction codes.
- Reference: UM 4400-124



Transaction Codes

Transaction Code

Explanation

B6A

Receipt from a Responsible Officer

B6K

Receipt from an ammunition supply point or supply source other than a Responsible Officer

B7A

Expenditure.

BWA

Return to an ammunition supply point or other supply source

B7Y

Issue by cash/checkage sale.

B8A

Increase resulting from an inventory.

B8B

Increase to correct a previous administrative error.

B8Z

Miscellaneous increase not covered by another transaction.

B9A

Decrease resulting from an inventory.

B9B

Decrease to correct a previous administrative error.

B9Z

Miscellaneous decrease not covered by another transaction.

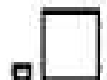
B7K

Redistribution to another using unit.



1348-M (Voucher)

DOC IDENT	ROUT IDENT	PRC	NHM	ACCOUNT	QUANTITY	DOCUMENT NUMBER	DATE	SERIAL	STOCK NUMBER	UNIT OF ISSUE	QUANTITY
SEND TO:											
NO0100 WPNSTA YORKTOWN VA											
Copy to CINCLANTFLT (J421)											
REQUISITION IS FROM:											
VO8943 UDT TWO ONE											
GRANADE GREEN SMOKE											
AOD P 7 2 L 1 3 3 0 G 9 4 0											
BA 0 0 1 6											
DOCUMENT NUMBER											
V 0 8 9 4 3 8 1 8 1 8 0 0 1 R N 6 1 4 1 6 J											
STATUS DATA											
Y 6 R 2 T 2 J 2 1 3 2 4 8											
ADVISE											
T											
DOC IDENT ROUT IDENT PRC NHM ACCOUNT QUANTITY DOCUMENT NUMBER DATE SERIAL STOCK NUMBER UNIT OF ISSUE QUANTITY											
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 K											



USE TYPEWRITER OR BALL POINT PEN
PRESS HARD
TO ASSURE LEGIBILITY ON ALL COPIES
FORM 1348-1 (Rev. 1-64)

REMARKS

58

17NP0426



ELECTRONIC QUALIFICATION CERTIFICATION PROGRAM (EQUAL)



A&E SCREENINGS

- MCO 5530.14A Appendix I
- Qualification Certification
- **A&E SCREENINGS**
- E-QUAL
 - No more hard copies
 - No Lost folders/Transfers
 - Annual Training vice 180 Day
 - Digital Signatures
- **<https://www.make.usmc.mil/equal30>**



Headquarters, U.S. Marine Corps MCO 5530.14A
PCN 10206597900

MARINE CORPS
PHYSICAL SECURITY
PROGRAM MANUAL

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited



MCO 8023.3B



- All personnel with primary duties of:
 - ✓ Storing, maintaining, receiving, distribution, or otherwise handling of A&E.
 - ✓ To provide each command, having a mission or task that involves storing, maintaining, receiving, distribution, or otherwise handling of A&E, with an effective administrative tool for assisting the command to maintain a successful explosives safety QUAL/CERT program.
 - ✓ The Order shall provide the guidelines to ensure all personnel who handle A&E satisfactorily demonstrate their abilities to proficiently and safely perform all required functions, tasks, or evolutions involving A&E.
- ✓ To provide guidance for administering the Qual/Cert Program.



E-QUAL PURPOSE

- Provides controls for Qual/Cert authorization and approvals
 - Clerk to Individual Member (IM) to Board Member (BM) to Board Chair (BC)
- Stores and tracks Qual/Cert records and training records
- Allows personnel to view & verify their training history online
- Allows visibility upcoming certification requirements or re-certifications



E-QUAL

- Automate personnel explosives Qual/Cert process
- Eliminate “wet” signatures throughout Cert process
 - Signatures are electronic only through CAC certifications
- Eliminate need for personnel to hand-carry training folder to each Activity
 - Clerk can transfer member to any unit
- Standardize the Qual/Cert program at all USMC Ground Installations



E-QUAL

- E-Qual tracks all designated personnel:
 - Ground Ammo Techs (A&E SCREENINGS)
 - EOD
 - Military Working Dog Team Members
 - DoD Civilians
 - Contractors
 - Non-2311's filling 2311 duties



E-QUAL

- Training event creation & expiration
- Waivers generation & expiration
- Certification qualification, approval, & expiration
- Reduction, decertification and recertification



E-QUAL

- ✓ Assignment letter
- ✓ Rank Waiver letter
- ✓ Decertification letter
- ✓ Annual Training Events
- ✓ Certification Levels

-
- ✓ Appointment Ltrs
 - ✓ Training Certificates
 - ✓ Licensing

8020
ORD
10 JUN 09

From: Commanding Officer, 014/33040
To: Nick Barone 014 33040/2305, USMC

Subj: ASSIGNMENT TO THE QUALIFICATION AND CERTIFICATION
BOARD FOR MARINE CORPS BASE MIL POL BN

8023
ORD
10 JUN 09

From: Commanding Officer, 014/33040
To: Robert Cabana 014 33040/2305 USMC

Subj: WAIVER OF RANK REQUIREMENT TO TL
ICO LCPL ROBERT
CABANA/2305

8023
ORD
10 JUN 09

From: 2ndLt Dusty Baker
To: Cpl James Carville/2305

Subj: DECERTIFICATION FOR CAUSE

Ref: (a) MCO 8023.3 (series)

1. In accordance with the reference, you are decertified from this Command's Personnel Qualification and Certification Program for Class V Ammunition and Explosives.

2. You have received this decertification letter for the following reasons: Comments here.

3. The point of contact at this Command is Nick Barone, Quantico, 703-555-1212, nbarone@usmc.mil.

2ndLt Dusty Baker
By direction



E-QUAL

- Certification process starts when an individual is entered in the system
- eQual flags the managers
 - When an individual is due for training
 - When the certification is expiring
- Signatures will not be seen in eQual
- eQual creates a date/time stamp for training and certification
- Only after the BC validates the entry is the person “certified” for the event
- **CURRENT STATUS: MARCORSYSCOM is amending the MCO 8023.3_ in order to correct the discrepancy of the Commanding Officer having to create an account.** 67



E-QUAL

- Rights and privileges of each role prevent unauthorized manipulation of data
- Individual Member
- Clerk – Unit Tech
- **Board Member**
- Board Chair
- Commanding Officer
- **Systems Administrator**
- **Administrator**



Marine Corps Base EXPLOSIVE SAFETY OFFICE



EXPLOSIVE SAFETY INSPECTION



EXPLOSIVE SAFETY INSPECTION

- **SCHEDULE**
 - **DEPLOYMENTS**
 - **Checklist (Web)**
 - **IN/OUT BRIEFS**
 - **OFFICIAL
RESPONSE**
 - **5 Days**
 - **CAP**
 - **45 Days**
 - **TAMIS ACCESS**
- *MCB Explosive Safety
Office*
- **NOSSAINST 8020.14D**
 - *Updates Checklist*



EXPLOSIVE SAFETY INSPECTION



- New Checklist
 - Consolidated into one document
- Failures
 - 6 discrepancies – depending on severity
 - 45 Day Corrective Action Plan (CAP)
 - Late CAP results in TAMIS deactivation
 - CAP's are utilized to correct your discrepancies, not to argue an issue.
 - Disputed findings can be discussed during the out brief



EXPLOSIVE SAFETY INSPECTION CHECKLIST



QUESTION 1

- Has the Commanding Officer appointed in writing an Explosives Safety Representative (ESR) for the unit, and has the ESR completed the required courses?
- If ESR is not a 2311/2340/2336
 - Ammo-18/45/76 are required
- MCO P8020.10B, chapter 9, paragraph 10.



QUESTION 2

- Has the Commanding Officer appointed, in writing, an Arms, Ammunition and Explosives (AA&E) Officer/SNCO?
- MCO P4400.150E, chapter 7, paragraph 7002.6.a-g.



QUESTION 3

- Has the AA&E Officer/SNCO conducted a review of the account, to include completing a wall-to-wall inventory, and have the findings been reported to the commander within 30 days of the appointment?
- MCO P4400.150E, chapter 7, paragraph 7002.4.d.



QUESTION 4

- Has the Commanding Officer appointed, in writing, an Ammunition and Explosives (A&E) Audit Verification Officer/SNCO?
- MCO P4400.150E, chapter 7, paragraph 7002.4.c



QUESTION 5

- Has the unit A&E Audit and Verification Officer/SNCO conducted and documented quarterly audits of the unit's accountability procedures?
- Audit results must be presented for inspection.
- MCO P4400.150E, chapter 7, paragraph 7002.5.b.



QUESTION 6

- Are appointment, acceptance and revocation letters for the AA&E Officer/SNCO and A&E Audit Verification Officer/SNCO retained for three years from date of assignment/termination?
- MCO 5530.14A, chapter 8, paragraph 8003



QUESTION 7

- Does the unit have an established annual AA&E Training Program for personnel with AA&E duties?
- MCO P4400.151B, chapter 8, paragraph 8002.3.
- *Note: Training results must be produced and maintained on file for three years.



QUESTION 8

- Does the unit have a Qualification/Certification Program established?
- MCO 8023.3_, paragraph 1-4.
- *Note: eQual/Manual documents will be utilized to verify these records.



QUESTION 9

- Are initial/annual screenings for personnel who account for, maintain, and distribute AA&E in performance of their primary duties conducted and documented on a Personnel Screening Form for Arms, Ammunition and Explosives (NAVMC Form 11386)?
- MCO 5530.14A, chapter 8, paragraph 8002.1 and Appendix I



QUESTION 10

- Do all ammunition handlers have a valid Medical Certificate?
- NAVMED 117, CHNG 135, article 15-107, paragraph (4)(b)(1).
- Note: This examination can be conducted and signed by any Navy medical provider (ie: physicians, nurse, practitioners, physician assistants, and independent duty corpsmen)



QUESTION 11

- Does the unit have personnel that are qualified to complete Motor Vehicle Inspection (Transporting Hazardous Materials) DD Form 626 for ammo laden vehicles?
- <http://ammo.okstate.edu/>
- NAVSEA OP5 Vol I, Appendix D paragraph f.



QUESTION 12

- Are Class V(W) Expenditure Reports (NAVMC Form 11381), completed at the range by the Range Officer in Charge (ROIC) and the Ammunition Technician prior to any ammunition leaving the range?
- DA PAM 385-63, paragraph 1-6.g(2)(j)⁸⁴.



QUESTION 13

- Does information annotated on Expenditure Reports reflect the information on corresponding ammunition receipts (DD Form 1348-1) and turn-in documents (DD Form 1348-1A)?
- MCO P4400.150E, chapter 7, paragraph 7002.7.c and d.
- *Note: Review the records file and E-581 Report; match issue/receipt documents to the Expenditure Report comparing the dates/time and inspect for accuracy.



QUESTION 14

- Is the unit A&E Audit and Verification Officer/SNCO certifying Expenditure Reports?
- MCO P4400.150E, chapter 7, paragraph 7002.5.a.



QUESTION 15 & 16

- Has the unit submitted Expenditure Reports for serialized ammunition assets and maintained those for two fiscal years (FY) plus the current FY?
 - MCO P4400.150E, chapter 7, paragraph 7005.
- Is a voucher file maintained for all gain/loss transactions that adjust the account balance by means of miscellaneous gain/loss transaction?
 - MCO P4400.150E, chapter 2, paragraph 2004.6₈₇e.



QUESTION 17

- Is the unit reporting all ammunition malfunctions that occur?
- MCO P4400.150E, chapter 7, paragraph 7007.6.
- *Note: Compare NAVMC Form 11381 to the malfunction report file and conduct interviews of personnel.



QUESTION 18

- Are inactive Class V(W) asset records and supporting documentation maintained by FY and retained on file for current FY plus two prior FYs as of closing date of expenditure?
- MCO P4400.150E, chapter 7, paragraph 7002.4.p.



QUESTION 19 & 20(A)

- Is the property accountability record accurate to a minimum of 95 percent? Reference (k), chapter 1, paragraph 9.

$$\frac{\text{TRANS}}{\text{ERRORS}} = \text{PERCENT}$$

- Is the latest version of the NAVSUP P-801 on hand?



QUESTION 20(B)

- If latest version of the NAVSUP P-801 is not on hand, are Notice of Ammunition Reclassification (NAR), Ammunition Information Notice (AIN) and Over-Head Fire (OHF) messages and cross reference files been established in numerical sequence for each DODIC/NALC (electronically or hard-copy)?
- NAVSUP P801, chapter 2, paragraph 2-1⁹¹.4.1.



QUESTION 21 & 22

- Are all NARs processed within three working days of receipt (24 hours for urgent NARs) to include reviewing assets and updating stock records?
 - NAVSUP P801, chapter 2, paragraph 2-1.2.
- Is the most recent Authorization to Store letter, Marine Corps Base ltr 8020 ESO/1, on hand?
 - MCO P8020.10B, chapter 5, paragraph 7a&b.⁹²



QUESTION 22 (A)

- Has the Commanding Officer appointed, in writing, an Officer/SNCO to conduct monthly inventories of all the ammunition held by the command (armories, RSL(s), and magazines)?
- *Note: The appointed must be a disinterested party with no responsibilities dealing with the storage, security, or accountability of ammunition.
- MCO P4400.150E, chapter 7, paragraph 7002.4.g.



QUESTION 22(B) & 23

- If an Officer/SNCO was appointed to conduct the monthly inventory, did she/he conduct the inventory and document all findings?
 - MCO P4400.150E, chapter 7, paragraph 7002.4.g.
- Are the quantities of Hazard Class/Division 1.3 and 1.4 ammunition on hand within the quantities authorized by the Installation Commander?
 - MCO 8020.10B, chapter 5, Paragraph 7.b(1)(2).



QUESTION 24 & 25

- Is dummy and inert training ammunition maintained and accounted for as non-expendable materiel?
 - UM 4400.124, part III, paragraph 10.2a and MCO P4400.150E, chapter 7, paragraph 7002.4.b.

- Is Security Ammunition accounted for as non-expendable items utilizing NAVMC 10774 cards?
 - UM 4400.124, part III, paragraph 10.2a and P4400.150E, chapter 7, paragraph 7002.4.b.



QUESTION 26 & 27

- Is Security, Dummy, and Inert Ammunition being sub-custodied utilizing Equipment Custody Records (ECR) (NAVMC Form 10359)?
 - NAVSEA OP-5 Vol I, part III, paragraph 10.2b.
- Does the armory/consolidated armory have required symbols posted on the perimeter? Does the individual bay within the armory have required symbol(s) posted (if applicable)?
 - NAVSEA OP-5 Vol I, chapter 4, paragraph 4-4.2.9 and Figure 11-2.



QUESTION 28 & 29

- Are 1.3G Pyrotechnics checked to ensure the primer is not exposed to the elements and for deterioration?
 - NAVSEA OP-5 Vol I, paragraph 11-8-14 and reference (p).
- Does ammunition on hand exhibit signs of excessive wear or damage?
 - NAVSEA OP-5 Vol I, paragraph 10-1.1.11.



QUESTION 30 & 31

- Are operations and equipment so arranged that all persons have unobstructed exit paths?
 - NAVSEA OP-5 Vol I, chapter 2, paragraph 2-1.5.2.

- Are empty ordnance containers inspected, marked, sealed, and properly certified? Are all previous markings indicating the presence of hazardous materials removed/obliterated?
 - NAVSEA OP-5 Vol I, chapter 11, paragraph 11-1.5.1.



ESI

- Now that we have covered the Explosive Safety Inspection, keep in mind, this checklist is not all inclusive.
- A majority of the trends that are discovered can easily be prevented with some attention to detail.



TRENDS

- EXPENDITURE REPORTS NOT VALIDATED
- APPOINTMENT LETTERS
 - MONTHLY INVENTORY RESULTS NOT DOCUMENTED
- AA&EO RESPONSIBILITIES
 - MANAGER FOR AA&E PROGRAM (ALL APPOINTED)
- OIC SIGNATURE ON 11381 (EXP RPT)
 - COMPLETELY FILLED OUT/INCORRECT
 - TURN-IN DOCUMENTS NOT COMPLETED PRIOR TO ARRIVAL AT ASP
- SECURITY AMMO ROTATIONS - SERVICEABILITY



TRENDS

- A&E SCREENINGS – NOT COMPLETE
 - NO IDC signature (NURSE PRACTITIONER/MEDICAL OFFICER)
 - Appendix I MCO 5530.14A
 - INITIAL/ANNUAL
 - Dead Files must be kept for 3 yrs
- A&E Training Program/Rosters/Completion Certificates
- A&E Revocations

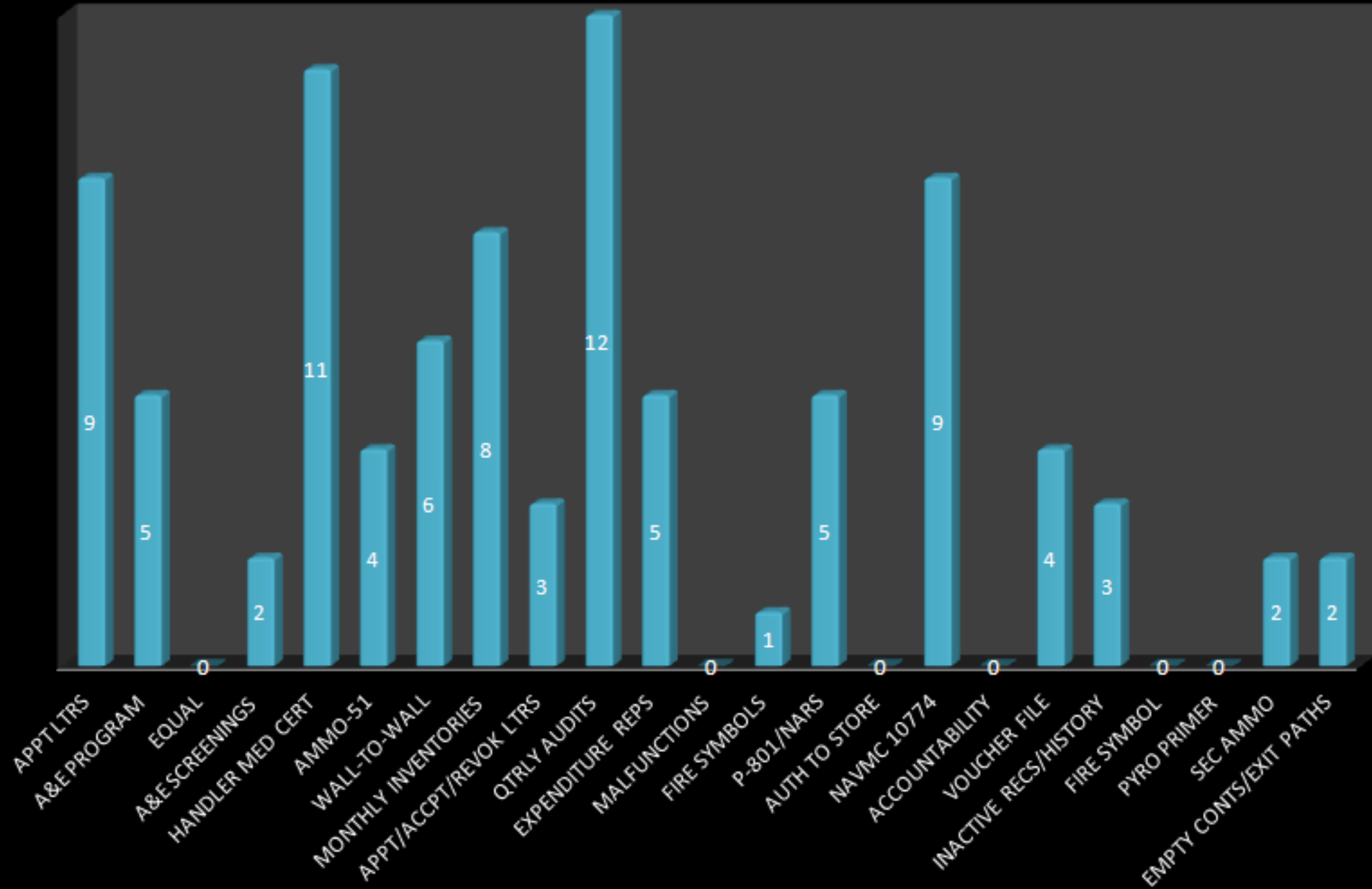


PROGRAM 15 Trends

- Documentation
 - Exp Rpts / Receipt/Turn-In Docs
- NAR/AIN/OHF
 - Cross-Reference
 - Action Taken – Proper Procedures
- Malfunctions
- MLSR
 - Investigation/vouchers
- Dead Files

CONSOLIDATED TRENDS 20 Mar 2012

■ FINDINGS





REQUIRED WRITTEN PROCEDURES

- SOP: Storage Activities (ASP/Magazine)
 - Required for Explosive Operations
 - Range Briefs, etc
- Desktop Procedures
 - II MEF Order
 - Div Order – Under Construction
 - Base Ammo Order- BO 8020.1C
 - Range Control Order – BO 3520.1



TAMIS

FORECASTING



FORECASTING

- THE FOLLOWING PROCEDURES WILL ASSIST IN ACCURATELY FORECASTING YOUR ALLOWANCE.
 - Mission Essential Task Lists (METL's)
 - Annual Training Plan (ATP)
 - Training History
- PROPER PLANNING WILL PREVENT THE REQUIREMENT FOR AN OVER THE ROAD REQUEST! UTILIZE YOUR METL's & ATP TO FORECAST YOUR ALLOWANCES ACCORDINGLY!



FORECASTING

➤ CONSIDERATIONS:

- 90 DAY LOCK-OUT
- AVAILABLE SUPPLY RATE
- ASP STOCKS

➤ *Per MCO 4610.37C, Chapter 4, Paragraph 6 states:*

- *For training at Marine Corps locations, properly forecast requirements must be entered at least 60 days prior to training date.*
- *For training at Army locations, forecast requirements must be entered in TAMIS prior to the "lockout period" defined by the Major Army Command policy and Army Regulation (AR) 5-13 as current month plus two months.*

**INTENT: UNITS WILL NOT BE ABLE TO REQUEST ASSETS
UNLESS ASSETS HAVE BEEN FORECAST**



FORECASTING

- **Units/organizations failing to properly forecast routine ammunition requirements at Marine Corps bases, Army Installations, or other locations will incur costs for premium shipping associated with that training.**
- Operational tempo **may** preclude full compliance with forecasting Class V(W) training requirements.



FORECASTING

- Off Base Transportation Requests are possible, depending on the N.E.W., justification, mission and approval through the Chain of Command, Base Explosives Safety and MMCC.
- Units have the ability to forecast their assets in TAMIS to any installation!



Off Base Transportation Request

- DTG: 092022Z Nov 11 CLARIFICATION FOR SUBMISSION FOR OFF BASE CLASS V TRANSPORTATION REQUESTS FROM MCB CLNC
- Submit GTR to MMCC
- Authorization through hierarchy to Explosive Safety Office:
- Request will contain the following:
 - Vehicle Types
 - Load plan
 - List of A&E (DODIC, NOMEN, QTY, NEW, ETC)
 - Approved Route Plan
 - Recovery Plan
 - Date of Departure



ARMY INSTALLATION POC's



- *Ft Bragg= Frank Beeler*
 - *frank.beeler@us.army.mil*

- *Ft Pickett= Eric Buesgen*
 - *eric.buesgen@us.army.mil*

- *Ft AP Hill= Ron Smith*
 - *ronald.l.smith@us.army.mil*



Site: LIVE
Logon User: Timothy
Freeman
Last Login: M01 EAST



Home



My Account



My Reports



Clipboard



Support



Help



Print



Logout

Manage Requirements Manage Authorizations **Develop Forecast** Manage e581 Manage Expenditures Reports

Forecast Munitions
Forecast Move Tool
Forecast by Event
Upload
Training
Operational
Test
NET
Title 10

**HIGHLIGHT
FORECAST
MUNITIONS/
TRAINING**

TAMIS at-a-glance (FY 2010)

Training Combat Load Sustainment Load

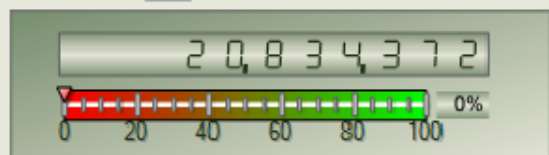
Operational Project Operational Load

Test NET Title 10

Requirements



Authorizations



SubAuthorizations



Forecasts

Expenditures



Logon: 3/16/2010 8:06:58 AM EDT
Last Logon: 3/16/2010 7:48:58 AM EDT
TAMIS Server: 3/16/2010 8:06:58 AM EDT

My Clipboard Add Clipboard Edit Clipboard

Broadcast

News

Important Links

What's New

Coming Soon



Search



Show subordinate Broadcast

TEST, NET, OPCODE REQUIREMENTS AND ONLINE STRAC MANUAL NOW ON CAT [3/12/2010]

The TAMIS Customer Acceptance Test (CAT) site, <https://test.tamis.org>, was recently updated to provide the capability to manage Test, NET and OPCODE requirements. A new Online STRAC Manual was also released. [Click here](#)

TAMIS Training Site Overwrite - 26 MARCH 2010 [3/12/2010]

The TAMIS Training site (<https://www.tamis.org>) will be overwritten with Live site data on Friday, 26 March 2010 at 0900 hours Eastern Daylight Time (E.D.T.)...

30 March 2010 TAMIS VTC Training (30 March - 1 April 2010) [3/02/2010]

Help

Getting Started

User Manual v2.0.0

How to...

Use Requirements

Authorize

Forecast

Create e581

Retrieve Reports

Create Custom Reports

Contact Support

Create User Rights

Training

Class Schedule

Request Training



TAMIS Online Training

Online Customer Support

Create Support Ticket

Manage Support

Internet



TAMIS
Live Site

Site: LIVE
Logon User: Timothy Freeman
Logon Level: MCI-EAST



Home



My Account



My Reports



Clipboard



Support



Help



Print



Logout

Manage Requirements ▶ Manage Authorizations ▶ Develop Forecast ▶ Manage e581 Manage Expenditures ▶ Reports ▶

Forecast - Training FY 2010



Download



Continue

NOTES

To start your forecast, please select the desired UIC(s) to forecast against.

☐ Display UIC name on the forecast worksheet

UIC(s):

SELECT UIC



DODIC(s):



ASP(s) associated with the Selected UIC(s) above:



-- Web Page Dialog

Address <https://tamis.army.mil/Hierarchy/Selector.aspx>

Manage Requirements

Alpha:

A	B	C	D	E
N	O	P	Q	R
0	1	2	3	4

Branch:

Type:

Custom: ☐ Begins With

Search by UIC:

Search by Hierarchy:

Hierarchy Tree

- MCI-EAST
 - ▶ M38450 - BLOUNT ISLAND COMMAND
 - ▶ M02030 - MCAS BEAUFORT SC
 - MCAS CHERRY POINT NC
 - ▶ M02001 - MCAS CHERRY POINT NC
 - ▶ M02002 - MCAS CHERRY POINT NC EOD
 - ▶ M02020 - MCAS NEW RIVER NC
 - MCB CLNC
 - ▶ M31001 - MCB CLNC
 - ▶ M93051 - MCB H&S BN
 - ▶ M93004 - MCB PMO
 - ▶ M93054 - MCB WTBN
 - MCLB ALBANY
 - ▶ M38441 - Albany (Ammunition Allowance)
 - ▶ M94700 - MCLB ALBANY (Testing)
 - ▶ M67004 - MLCB ALBANY GA
 - ▶ M00260 - MCAF MCCDC QUANTICO

SELECT LEVEL

<https://tamis.army.mil/Hierarchy/Selector.aspx> Internet

-- Web Page Dialog

Address <https://tamis.army.mil/Hierarchy/Selector.aspx>

Display Hierarchy
Display All Data
Display All Settings

Manage Requirements

Alpha: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4

To start

Branch:

Type:

Custom:
Begin With

Search by UIC:

Search by Hierarchy:

Hierarchy Tree

- MCI-EAST
 - M38450 - BLOUNT ISLAND COMMAND
 - M02030 - MCAS BEAUFORT SC
 - MCAS CHERRY POINT NC
 - M02001 - MCAS CHERRY POINT NC
 - M02002 - MCAS CHERRY POINT NC EOD
 - M02020 - MCAS NEW RIVER NC
 - MCB CLNC
 - M31001 - MCB CLNC
 - M93051 - MCB H&S BN
 - M93064 - MCB PMO
 - M93054 - MCB WTBN
 - MCLB ALBANY
 - M38441 - Albany (Ammunition Allowance)
 - M94700 - MCLB ALBANY (Testing)
 - M67004 - MLCB ALBANY GA
 - M00260 - MCAF MCCDC QUANTICO

View Selection

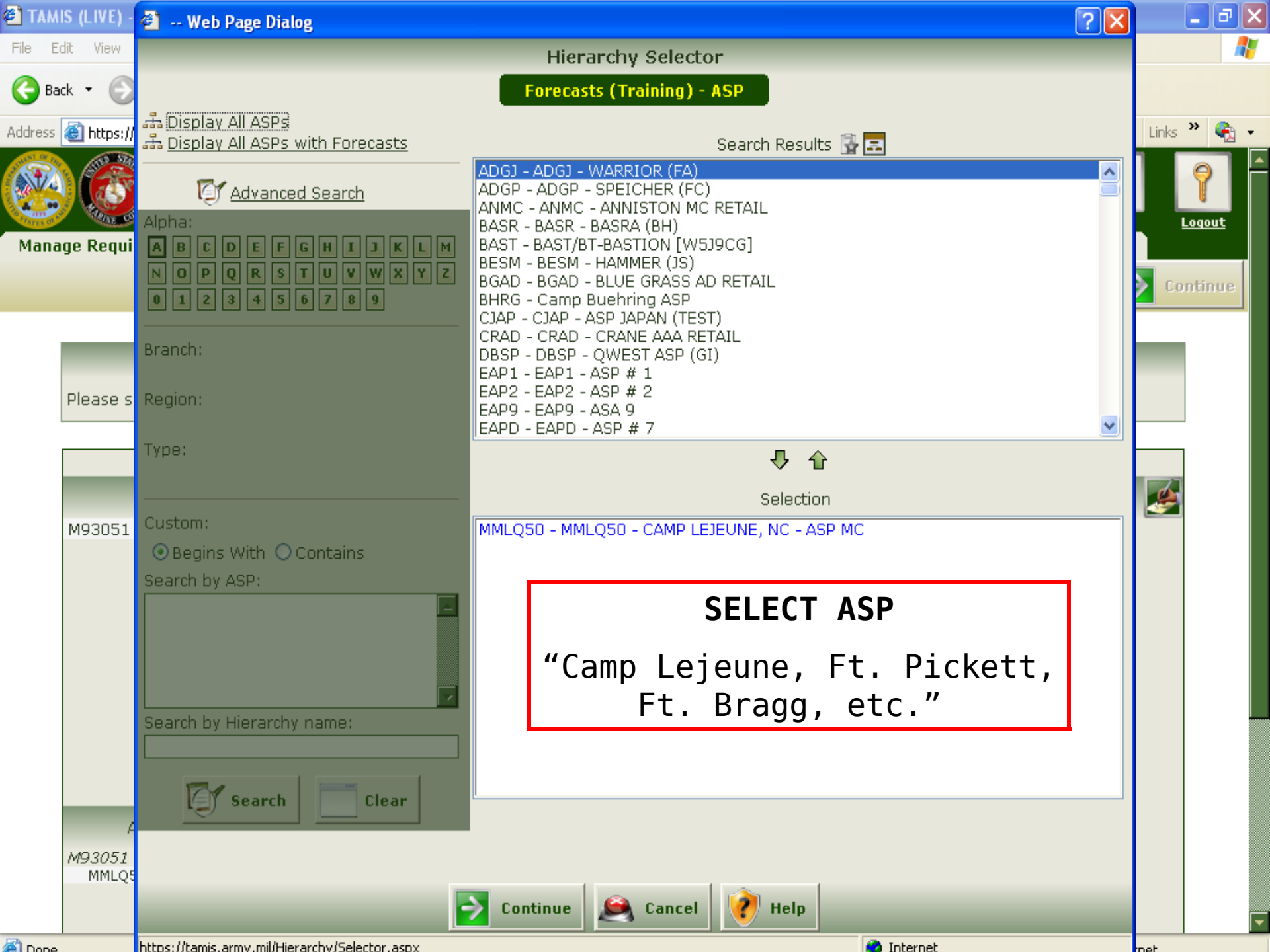
M93051 - MCB H&S BN

**UICS
POPULATE AS
SELECTED**

Continue **Review** **Advanced** **Clear** **Cancel**

Continue **Cancel** **Help**

<https://tamis.army.mil/Hierarchy/Selector.aspx> Internet



Hierarchy Selector

Forecasts (Training) - ASP

Search Results

ADGJ - ADGJ - WARRIOR (FA)
ADGP - ADGP - SPEICHER (FC)
ANMC - ANMC - ANNISTON MC RETAIL
BASR - BASR - BASRA (BH)
BAST - BAST/BT-BASTION [W5J9CG]
BESM - BESM - HAMMER (JS)
BGAD - BGAD - BLUE GRASS AD RETAIL
BHRG - Camp Buehring ASP
CJAP - CJAP - ASP JAPAN (TEST)
CRAD - CRAD - CRANE AAA RETAIL
DBSP - DBSP - QWEST ASP (GI)
EAP1 - EAP1 - ASP # 1
EAP2 - EAP2 - ASP # 2
EAP9 - EAP9 - ASA 9
EAPD - EAPD - ASP # 7



Selection

MMLQ50 - MMLQ50 - CAMP LEJEUNE, NC - ASP MC

SELECT ASP

"Camp Lejeune, Ft. Pickett,
Ft. Bragg, etc."



Continue



Cancel



Help



Manage Requir

Please se

M93051

M93051
MMLQ5

Web Page Dialog

DODIC Selector

Forecasts (Training)

Advanced Search

Search by Weapon

Search Results

Quick Links

Display the following DODICs:

- Available Authorized (2010)
- DDI
- Forecasted
- Forecasted with Requirements

A017-CTG, 12 GAGE #9 SHOT
A024-CTG, 12 GAGE MK246 MOD0
A059-CTG, 5.56MM BALL F/M16A2
A080-CTG, 5.56MM BLK F M16A1/A2
A086-CTG, 22 BALL LONG RIFLE
A552-CTG, .50 CAL BALL, CTN F/M2
AA11-CTG, 7.62MM M118 L RANGE
AA55-CTG, 12 GAGE DUMMY
AA62-CTG, 12 GAGE UVS MK274-0 (EOD USE)
AA63-CTG, 12 GAGE IEDSD MK275-0 (EOD USE)
AA64-CTG, 12 GAGE BLNK POPPER MK276-0 (EOD USE)
AA66-CTG, 12 GAGE MED VELOCITY BLNK MK278-0 (EOD USE)
AX14-12 GAGE PRIMERS
B542-CTG, 40MM HEPD M430/M430A1 LKD (MK 19)
D532-PROP CHG, 155MM RB M203 SERIES



Selection

A363-CTG, 9MM BALL PISTOL (NEW)

SELECT DODICS
(HOLD CONTROL FOR
MULTIPLE DODICS)

Continue

Cancel

Help



Address <https://tamis.army.mil/forecast/default.aspx?5%2bdTd7fZeVjcw1x4yz80A%3d%3d>



TAMIS
Live Site

Site: LIVE
Logon User: Timothy Freeman
Logon Level: MCI-EAST



Home



My Account



My Reports



Clipboard



Support



Help



Print



Logout

Manage Requirements ► Manage Authorizations ► Develop Forecast ► Manage e581 Manage Expenditures ► Reports ►

Forecast - Training FY 2010



Download



Continue

NOTES

Please click Continue if all information is correct.

☐ Display UIC name on the forecast worksheet

UIC(s):



M93051 - MCB H&S BN



DODIC(s):



A363 - CTG, 9MM BALL PISTOL (NEW)



ASP(s) associated with the Selected UIC(s) above:



M93051 - MCB H&S BN

MMLQ50 - MMLQ50 - CAMP LEJEUNE, NC - ASP MC



TAMIS
Live Site

Site: LIVE
Logon User: Timothy Freeman
Logon Level: MCI-EAST



Home



My Account



My Reports



Clipboard



Support



Help



Print



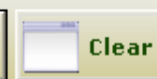
Logout

Manage Requirements | Manage Authorizations | Develop Forecast | Manage e581 | Manage Expenditures | Reports

Forecast
Selections
Panel

Forecast - Training FY 2010

☐ Turn off email



51	DODIC	AUTH	TOTAL EXP	CURR MO EXP	REM	E581	AVAIL	FORE%	UNFORE	TOTAL	ASP	MAR	APR	MAY	JUN	JUL	AUG
	A363	80,045	14,593	4	65,452	0	65,452	68%	20,452	45,000	MMLQ50	-	15,000	15,000	15,000	-	-

**LOCKED OUT
MONTHS SHOW
LOCKS!**

TO ADJUST:

(-) & NUMBER TO SUBTRACT

-1000

(+) & NUMBER TO ADD

+1000



Address <https://tamis.army.mil/forecast/Forecast.aspx?VMzZHc5arHz6NZsHqtMjQL796A8Ig542DdRnh1uKXZo%3d> Go



TAMIS
Live Site

Site: LIVE
Logon User: Timothy Freeman
Logon Level: MCI-EAST



Home



My Account



My Reports



Clipboard



Support



Help



Print



Logout

Manage Requirements ▶ Manage Authorizations ▶ Develop Forecast ▶ Manage e581 Manage Expenditures ▶ Reports ▶

Forecast
Selections
Panel

Forecast - Training FY 2010

☐ Turn off email



Download



Clear



Save

	DODIC	AUTH	TOTAL EXP	CURR MO EXP	REM	E581	AVAIL	FORE%	UNFORE	TOTAL	ASP	MAR	APR	MAY	JUN	JUL	AUG
51	A363	80,045	14,593	4	65,452	0	65,452	68%	20,452	45,000	MMLQ50	-	15,000	15,000	15,000	-	-

SELECT SAVE



Address <https://tamis.army.mil/forecast/Forecast.aspx?VMzZHc5arHz6NZsHqtMjQL796A8Ig542DdRnh1uKXZo%3d> Go



TAMIS
Live Site

Site: LIVE
Logon User: Timothy Freeman
Logon Level: MCI-EAST



Home



My Account



My Reports



Clipboard



Support



Help



Print



Logout

Manage Requirements ▶ | Manage Authorizations ▶ | Develop Forecast ▶ | Manage e581 | Manage Expenditures ▶ | Reports ▶

Forecast
Selections
Panel

Forecast - Training FY 2010

☐ Turn off email



Download



Clear



Save

51	DODIC	AUTH	TOTAL EXP	CURR MO EXP	REM	E581	AVAIL	FORE%	UNFORE	TOTAL	ASP	MAR	APR	MAY	JUN	JUL	AUG
	A363	80,045	14,593	4	65,452	0	65,452	68%	20,452	45,000	MMLQ50	-	15,000	15,000	15,000	-	-

**NOTIFICATION
"SAVED
SUCCESSFULLY"**

SELECT HOME



SAFETY TRAINING



SAFETY

- De-Linking
- Miss Handling
- Reporting
- Fire Conditions
- Digital Exp Rep
- Safety Handling
- MLSR
- MALF DEFECT
- Security ammo



DELINKING

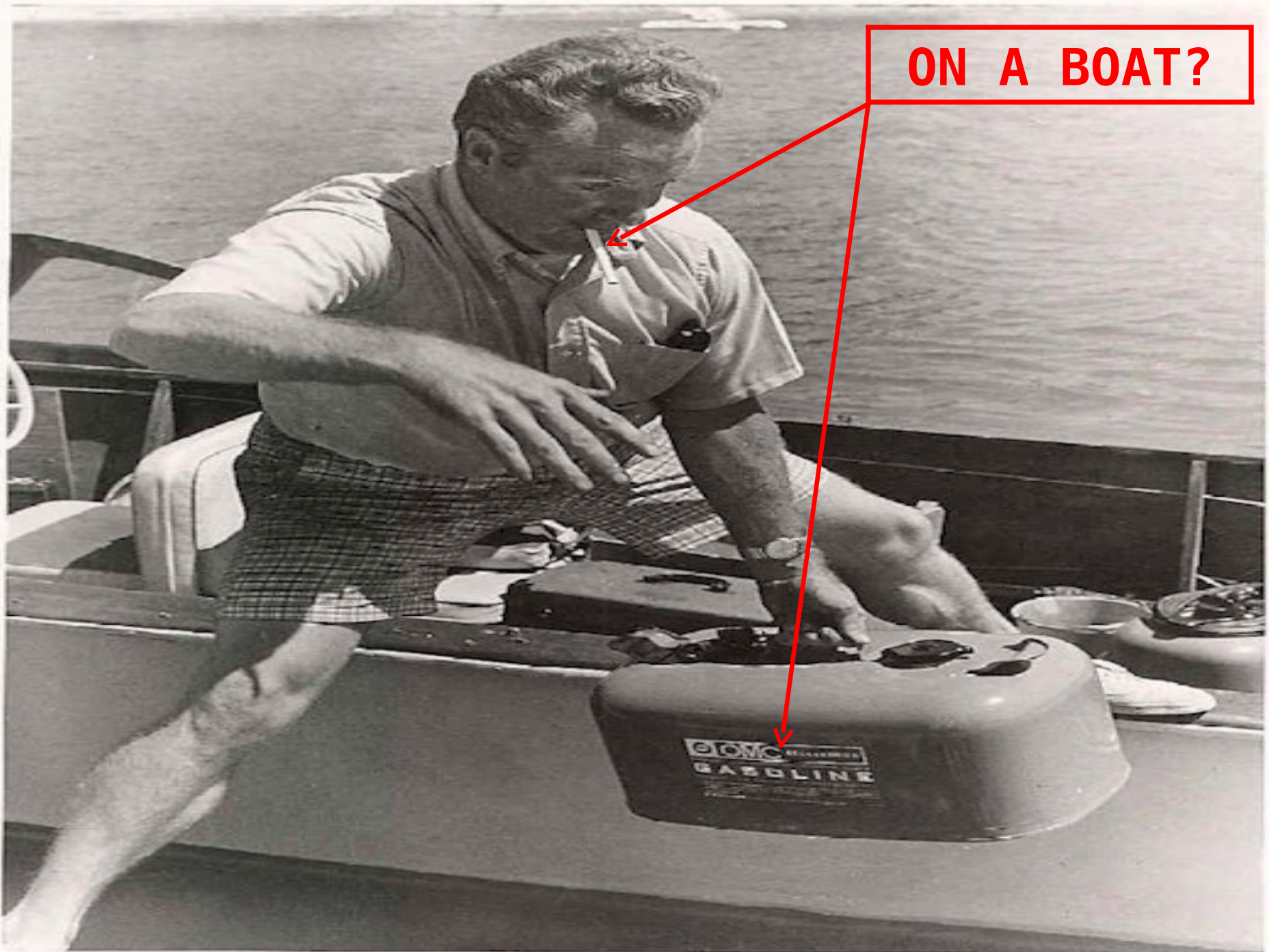
- **BO 3570.1C** (Range Control Order)
- Pg 5-8, (11) During fire conditions 5 and above units are restricted from delinking ammunition until approved by the G-4/S-4 ammunition section. .50 Cal ammunition is not authorized to be delinked. When approval for delinking ammunition has been granted, only ***approved (ie: .50 Cal)*** tools and methods are authorized.
- 2d Marine Division G-4 Ammo only authorizes the delinking of 5000 rounds or less A064 and A131.
- MARCORSYSCOM will provide guidance for delink and link procedures for 25mm.



MISS HANDLING

- We loose too many Marines/Sailors to lack of compliance to proper procedures, experience, or complacency.
- TRAIN HOW WE FIGHT
- Every Marine/Sailor is a safety officer
 - Let your voice be heard so lives will be saved!

ON A BOAT?





FIRE CONDITIONS

HEAT

BLAST





MLSR

- **MCO 5530.14A**
- **Maintain paperwork for current FY plus previous two FY's**
- **Time lines - initial telephonic(Injury/Fatality)/48 hours**
 - **Small arms 20mm or smaller (over 1000 rds)**
 - **One or more rockets**
 - **One or more mines**
 - **... device containing explosive material¹²⁸**



MALFUNCTION/DEFECT

- **“All” malfunctions get reported/info required**
- **Time lines**
- **Injuries/fatalities/weapons damage 24 hrs**
- **All other malfunctions not involving injuries/fatalities/weapons damage 96 hrs**
- **If required, supplemental reports within 5 days**



POINTS OF CONTACT

- **ESO- 910 451- 6281 / 910-554-9175**
- **II MEF - 451-8898**
- **II MARDIV - 451-8378**
- **CLNC ASP - 451-2949 (Duty Tech) / 451- 4722**
- **Camp Pend ASP - (760) 725-3202**
- **Camp Pen ESO (760) 763-4817**
- **CMA - (760) 830-4879 / (760) 830-3603**
- **CMA ESO - (760) 830-8464**
- **MARCORSYSCOM (PMAM) - 378-9495 or (703) 784-9175**
- **HQMC Command Center - 255-7366 or comm; (703) 695-7366**



MALFUNCTION DEFECT

- MARCORSYSCOM/PM AMMO will:
 - Review all malfunction and defect reports;
 - Prepare technical response with recommendation
 - * 96 hrs for non-critical and 24 hrs for critical*
 - Conduct formal investigations involving casualties, equipment damage, and potential safety issues.



MALF / DEFECT Cont

➤ Importance

- Funding for Army, Navy & USMC Quality Evaluation has declined over recent years.
- Malfunction & Defect Reporting becomes more important.
- The primary players in successful reporting are:
 - Unit / Unit Ammo Tech
 - Range Safety Officer
 - ASP Personnel
 - EOD



MALF / DEFECT

- **PURPOSE: (Assessment Program)**
 - **Ensure the safety and reliability of MC ground ammo.**
 - **Provides a near 'real time' analysis of ammo performance...**
 - ***Only effective IF MALFUNCTIONS ARE REPORTED!***









































D579 - Exudate from fuze wells - 2004.

- Reported by USMC at Army storage sites.
- Cause is an impurity in the TNT filler in the projo.
- Rnds w/ noticeable exudate should be reported, destroyed – not fired, per AIN.





C870 - Cracked fins - 2004. Reported by USMC during renovation at CLNC.

➤ Cause of cracking was determined to be use of non-spec aluminum during manufacture.

➤ Renovation to replace fins has been completed.




Malfunction History on PM-Ammo MAKE Website:

DDIC Lot Malfunction Summary - Microsoft Internet Explorer provided by NMCI

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Mail Print Address Bar Go Links SnagIt

Address: https://www.make.usmc.mil/kmp/LotMalfSum.aspx

**Marines**
The Few. The Proud.

Marine Ammunition Knowledge Enterprise

Home PM AMMO MAKE Lite DDIC Search Feedback Change Problem Form Contact Us FAQ Change Password My Account Security Notice Links

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1-9

NOTE: THE COLUMNS CAN BE RESORTED BY CLICKING ON ITS HEADER NAME.

DODIC: B643

Typical Failure Modes: Close-In Premature, Duds, Ignition Separation, Misfires, Short Rounds.

DODIC Malfunction Summary Totals

DODIC	Failed	Injuries	Fatalities
B643	1,141	6	0

DODIC Malfunction Summary Records 1 to 15 of 97

Type	DODIC	Lot	Cog	Year	Summary	Fired	Failed	Injuries	Fatalities	MCPD Response	Cause
MAL	B643	MA-01F062-001	OT	2009	Upleg premature detonation (1/?) at +75 ft. Two major INJURIES reported.	0	1	2	0	Init: Suspend ALN to CC-J, pending further eval; 26May09. // Final: - open -	Unknown
MAL	B643	MA-07C068-003	OT	2008	Misfire (1/540) - primer was dented. No injuries or damage reported.	540	1	0	0	First reported malfunction for ALN, or w/ign ctg ALN MA-05C033-001; Probable cause of misfire was defective primer or ign ctg; Retain in CC-A; per LCM04-1/I.3.1.a.04 / 06 Mar 2008.	Ammunition
MAL	B643	MA-07C068-003	OT	2008	Misfire (1/216) - failed to fire in three different weapons, primer was dented. No injuries or damage reported. [Misfire qty corrected]	216	1	0	0		
MAL	B643	MA-01K063-009	AR	2007	Short rnd (1/?) landed/functioned approx 700m short of target. INJURIES reported.	2	1	0	0	[Init: Suspend to CC-J, pending Army investigation, per Reclass Review of A-NAR 07-0077/ 27 Nov06. // Final: - open -]	Unknown
MAL	B643	MA-01K063-009	AR	2007	Duds (20/200) over seven days of firing. No injuries or damage reported.	200	20	0	0	First reported malfunction; Possible cause of duds was failure of MS3 delay element; Retain ALN in CC-A; per LCM07-1/I.3.1.a.005/ 29 Nov 2006.	Ammunition
MAL	B643	MA-01F062-002	OT	2006	Short rnds (8) approx 200m short of target and Duds (6) out of 228 rnds fired. No injuries or damage reported.	228	14	0	0		
MAL	B643	MA-00H060-001	AR	2005	Misfires (3) and Duds (8) out of 44 rnds fired. No injuries or damage reported.	44	11	0	0		
MAL	B643	MA-01G063-001	AR	2005	Short rnd (1/92) flew approx 150m downrange - Fin split longitudinally and separated from ctg when dropped in tube. No injuries or damage reported.	92	1	0	0	[Init: Suspend ALNs w/ WMZ_013 fins; per Reclass Review of A-NAR 05-0175/ // Final: - open -]	Manufacture
MAL	B643	MA-01H063-003	AR	2005	Fin separation/split (1/352)- fin found in mortar tube. No injuries or damage reported.	352	1	0	0		
MAL	B643	MA-00J060-003A	OT	2004	Misfire (1/341) w/ six attempts to fire from 2 wpns. Primer was 'slightly' dented. No injuries or damage reported.	341	1	0	0	First reported malfunction for Lot; Causes of misfire/ignition ctg failure include inverted or missing primer, contaminated or missing black powder pellet, blocked flash channel, or faulty propellant. Retain in	Manufacture

Done Internet



Transportation

- ***Transporting ammunition that is unsafe***
- Ammunition abandoned in training areas
- Ammunition thrown in dumpsters
- Stealing ammunition from ranges
- War trophy's
- Marines endangering lives by transporting incompatible ammunition.
- Failure to follow proper Transportation Procedures



EXPLOSIVE MISHAP REPORTING

ESTABLISH WESS ACCOUNTS USING THE WESS REPORTING
LINK FROM

- COMNAVSAFECEN HOMEPAGE OR
[HTTP://NOSPACE/SAFETYCENTER.NAVY.MIL/WESS](http://NOSPACE/SAFETYCENTER.NAVY.MIL/WESS).
- IF YOU LACK INTERNET CONNECTIVITY, REQUEST THE
ACCOUNT VIA E-MAIL TO SAFE-WESSHELP@NAVY.MIL,
OR IF AFLOAT AND NIPRNET E-MAIL IS NOT AVAILABLE,
VIA SIPRNET TO [RFK\(UNDERSCORE\)
SAFETYCENTER@NAVY.SMIL.MIL](mailto:RFK(UNDERSCORE)SAFETYCENTER@NAVY.SMIL.MIL) OR
[M\(UNDERSCORE\)NRFK\(UNDERSCORE\)SAFETYCENTER@
NAVY.SMIL.MIL](mailto:M(UNDERSCORE)NRFK(UNDERSCORE)SAFETYCENTER@NAVY.SMIL.MIL)), PARA 3007 OF REF A APPLIES.
- <http://safetycenter.navy.mil/wess/>
- ESAMS (MCIEAST)



MISHAPS (Cont)

- THOSE EXPLOSIVES INCIDENTS THAT DO NOT MEET THE MISHAP SEVERITY CLASSIFICATION OF CLASS A, B, OR C WILL BE REPORTED AS AN EXPLOSIVES EVENT REPORT (EER).



Class A Mishap

The resulting total cost of damages to DoD or non-DoD property in an amount of \$1 million or more; a DoD aircraft is destroyed; or an injury and/or occupational illness result in a fatality or permanent total disability.



Class B Mishap

The resulting total cost of damages to DoD or non-DoD property is \$200,000 or more, but less than \$1 million. An injury and/or occupational illness result in permanent partial disability or when three or more personnel are hospitalized for inpatient care (beyond observation) as a result of a single mishap.



Class C Mishap

The resulting total cost of damages to DoD or non-DoD property is \$20,000 or more, but less than \$200,000; a nonfatal injury that causes any loss of time from work beyond the day or shift on which it occurred; or a nonfatal occupational illness that causes loss of time from work or disability at any time.



MISHAPS



L495 - Surface Trip Flare

- SNM was placing the trip flare for usage when lost positive control of the spoon
- Injury: 2nd Degree Burns to both hands and
- Reason: Lack of Experience / No PPE
- 2010

AA38 - .50 Cal SLAP-T Sabot Light Armor Penetrator-Tracer

- SNM was relinking .50 Cal using a pair of pliers
- SNM hit the primer with the pliers rupturing his right eardrum, scratching his left eye and giving superficial burns to his hands and arms.
- Reason: Lack of Experience/Not knowing proper procedures
- 2010



PORT CHICAGO

- During World War II, one of the sources of ammunition for the Pacific Theater was the Naval Ammunition Depot at **Port Chicago, California**. **Port Chicago** is located on an arm of San Francisco Bay about 30 miles northeast of Oakland and San Francisco. The town of **Port Chicago**, population 1,500, was located about 1.5 miles from the pier. Not far away was Vallejo's Mare Island, a major Naval Base which included ammunition depots.



PORT CHICAGO

- There were no identifiable pieces of the **SS E.A. Bryan** remaining: 25,000,000 pounds of ship and ammunition were gone! **Disappeared!** The stern of the **SS Quinault Victory** lay upside down in the water 500 from its origin. The rest of the ship, which had been lifted clear out of the water and turned around, was in scattered pieces.



Unexploded ORDNANCE



Unexploded Ordnance



Unexploded Ordnance

UXO are ammunition items that were fired, thrown, or launched from their platforms but failed to function. They are ALWAYS considered “**Exceptionally Dangerous**”.

The 3 R's

1. **RECOGNIZE** the item as an UXO.
2. **RETREAT** the same way you entered
3. **REPORT** the location to your supervisor, Range Control.

Just getting too close to an UXO may cause it to explode or begin to function.

EOD personnel are the ONLY technicians authorized to handle UXOs.



RETREAT AND MARK THE UXO



- PLACE THE FLAG/MARKER IN THE VICINITY OF THE DISCOVERED UXO
- USE ANYTHING EASILY VISIBLE
- DO NOT STAKE ANYTHING IN THE GROUND. JUST BECAUSE YOU CAN'T SEE ANOTHER UXO, IT DOESN'T MEAN THAT IT'S NOT UNDERGROUND.
- RETREAT/LEAVE THE AREA AND DO NOT RETURN UNTIL EOD ARRIVES



REPORT THE UXO

- REPORT THE UXO TO BLACKBURN OR PMO
- ATTEMPT TO GIVE AS MUCH INFORMATION ABOUT THE UXO THAT YOU CAN RECALL
- GIVE APPROXIMATE DIAMETER, LENGTH, POC INFO, AND DIRECTIONS (8 DIGIT GRID IF POSSIBLE)



GENERAL SAFETY GUIDELINES

- NEVER TRANSMIT A RADIO/CELL PHONE NEAR A UXO
- NEVER ATTEMPT TO MOVE OR DISTURB A UXO
- AVOID THE AREA WHERE A UXO IS LOCATED



NEVER TRANSMIT NEAR UXO

- MAKE ALL RADIO TRANSMISSIONS AT LEAST 25 FEET AWAY
- RADIOS SEND OUT ELECTRICAL CURRENTS (ELECTROMAGNETIC RADIATION (EMR)) WHICH COULD INITIATE SOME UXO'S



NEVER ATTEMPT TO MOVE OR DISTURB A UXO

- THE ORDNANCE ITEM MAY FUNCTION AS DESIGNED IF DISTURBED.
- **REMEMBER, YOU HAVE NO IDEA WHY IT DIDN'T DETONATE. YOU DON'T WANT TO BE THE ONE WHO FINDS OUT WHY!!**



AVOID THE AREA WHERE A UXO IS LOCATED



- DISTURBING THE GROUND NEAR THE UXO MAY MOVE THE UXO
- THERE MIGHT BE MORE UXO IN THE AREA
- MAKE SURE THE UXO AREA IS CLEARLY MARKED SO OTHER PERSONNEL WILL STAY AWAY FROM IT
- EVACUATE ALL NONESSENTIAL PERSONNEL



PRACTICE ORDNANCE

- JUST BECAUSE IT IS BLUE DOESN'T MEAN THAT THERE ARE NO HAZARDS.
- MANY OF THESE HAVE A SPOTTING CHARGE IN ORDER TO PROVIDE THE ABILITY TO SEE WHERE THEY IMPACT
- THESE SPOTTING CHARGES CAN SEVERELY INJURE PERSONNEL



CIVIL WAR ORDNANCE



- THERE ARE NUMEROUS AMOUNTS OF UNEXPLODED CIVIL WAR ORDNANCE THAT ARE STILL ROUTINELY DISCOVERED IN THIS AREA
- EVEN THOUGH THEY MAY SEEM HARMLESS, THEIR DECAYING PROCESS HAS MADE THEM VERY UNSTABLE





EMERGENCY CONTACT INFORMATION



- BLACKBURN (RANGE CONTROL)
(910) 451-3064
- PROVOST MARSHALL OFFICE
(PMO) (910) 451-3004/5 ALT: 911
- MCB EOD (910) 449-0558/2104



MGYSGT NYMAN

OPERATIONS CHIEF

ASP OPERATIONS & PROCEDURES



AMMUNITION SUPPLY POINT

➤ Preparation:

- Units are arriving at the ASP unprepared to conduct the ammunition transactions they have scheduled!
- If a unit arrives unprepared then they are placed to the side to make corrections; once corrections are completed, the unit is placed at the back of the line to complete their transactions.
- The ASP submits a Discrepancy report at least weekly to the MSC's.



AMMUNITION SUPPLY POINT

➤ The reports are received in the following format:

UNIT	TURN-IN / ISSUE	UNIT TECH	DATE	DISCREPANCY
2D CEB	ISSUE	PFC JOHNS	2/9/2012	NO EXPLOSIVES CERTS
2D MHG	ISSUE	LCPL MEDLIN	2/9/2012	BAD FIRE EXTINGUISHER
1/10	ISSUE	PFC WIGGINS	2/15/2012	HORN NOT WORKING
4TH TANKS	ISSUE	SSGT THOMPSON	2/15/2012	DRIVER NOT LICENSED, NO EXPLOSIVES CERTIFICATIONS
SOI	TURN-IN	LCPL MEHALL	2/17/2012	INSUFFICIENT STRAPS. RECEIVED DISREP LETTER.
24TH MEU	ISSUE	LCPL SEGARRA	2/22/2012	NO FIREWALL IN HUMMMV



AMMUNITION SUPPLY POINT

- A majority of these discrepancies would not occur if units/organizations followed the proper procedures and daily practices.
- Expenditure Reports are to be filled out prior to departing the range to allow the Ammo Tech and the ROIC to conduct inventories of the remaining assets on hand after the proper shake downs have been completed.

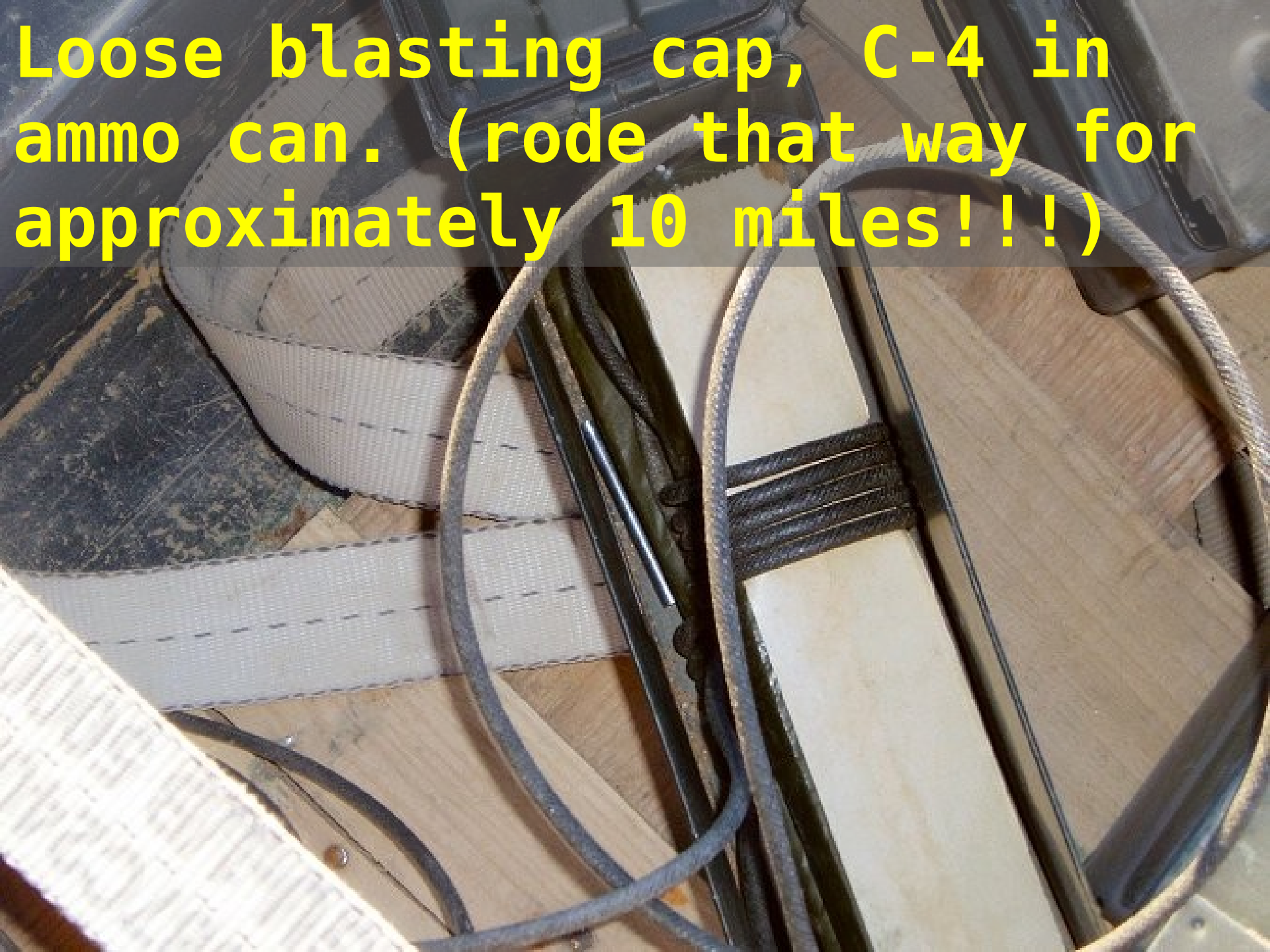


09368
PROP
SSMM I
LLANT EX
ILD-CLA
ND87E-6
12



Fuze ignitor, time fuze, blasting cap, inserted into C-4 with det cord !!!





**Loose blasting cap, C-4 in
ammo can. (rode that way for
approximately 10 miles!!!)**



500

AFT END

250-100000-11



RESOURCES & LINKS

- <http://www.nossa.navsea.navy.mil>
- <http://www.marcorsyscom.usmc.mil/am/ammunition/MAKE/make.asp>
- <http://www.marines.mil/unit/mcblejeune/eso/Pages/default.aspx>
- <https://intranet2.iimef.usmc.mil/G4/MMCC/Lists/Links/AllItems.aspx>



REFERENCES

DOD 4000.25-2-M	MCO P4400.151B
DOD INST 5200.08	MCO 5530.14A
NAVSEA OP-5, Volume 1	MCO 8015.3
NAVSUP P-801	MCO P8020.10B
OPNAVINST 5530.13C	DA PAM 385-63
NOSSAINST 8020.14D	UM4400-124
NOSSAINST 8023.11A	NAVMED 117, CHNG 135
MCO P4400.150E	Field Return CD
MCO 8023.3B	



QUESTIONS?

UNITED STATES MARINE CORPS



FORMAT

EXPLOSIVES SAFETY OFFICE CERTIFICATE OF COMPLETION

This is to certify that

Has successfully completed a course of instruction as prescribed by the

MCO 5530.14A

A&E ANNUAL TRAINING

05/26/17

DATE

Timothy W. Freeman

Digitally signed by
FREEMAN.TIMOTHY.W.1057821015
DN: c=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=USMC,
cn=FREEEMAN.TIMOTHY.W.1057821015
Date: 2011.03.16 13:06:03 -04'00'

**Explosives Safety Officer
MCB CAMP LEJEUNE, NC**